



(19)

(11) Publication number: **11057419 A**

Generated Document.

**PATENT ABSTRACTS OF JAPAN**(21) Application number: **09228100**(51) Intl. Cl.: **B01D 61/28 A61M 1/14**(22) Application date: **25.08.97**

(30) Priority:

(43) Date of application publication: **02.03.99**

(84) Designated contracting states:

(71) Applicant: **TORAY IND INC  
TORAY MEDICAL KK**(72) Inventor: **MATSUSHIMA TETSUYA  
YOSHIZAKO TAKENORI  
FUJII YASUSHI**

(74) Representative:

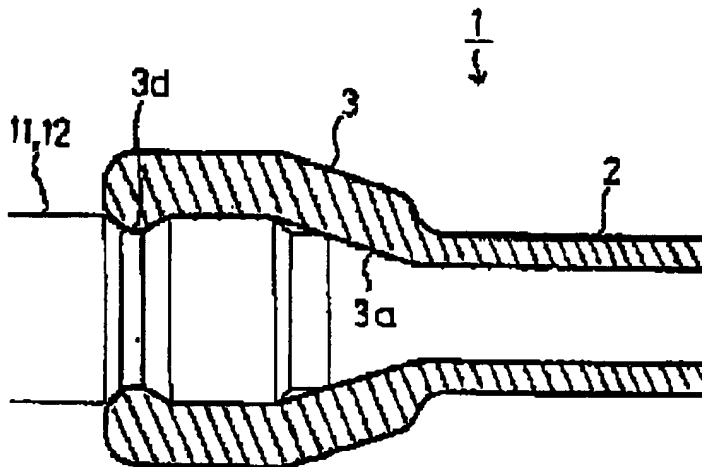
**(54) CONNECTOR  
FOR DIALYZER AND  
DIALYZER**

(57) Abstract:

**PROBLEM TO BE SOLVED:**

To prevent a dialyzate from being retained during the operation of a dialysis system by configuring a dialyzate supply hose and the inner face of a dialyzer connection part of a smooth curve and a smooth straight line.

**SOLUTION:** The connector 1 for a dialyzer is constructed of a dialyzate supply hose 2 and a dialyzer plug connection part 3. In addition, the inner face of the dialyzer plug connection part 3 is formed of a smooth curve or a smooth straight line, partially with a tapered configuration. Further, this tapered part 3a is brought into contact tightly with the outer peripheral faces of an inlet pipe 11 and an outlet pipe 12, so that a dialyzate is sealed. Thus it is possible to ensure the positive sealing of the dialyzate despite the existence of a slight error in the configuration size of the inlet pipe 11 and the outlet pipe 12.



pipe 11 and the outlet pipe 12.  
Besides, the connector 1  
shows outstanding tight  
sealing properties with the  
inlet pipe 11 and the outlet  
pipe 12, and the dialyzate is  
prevented from being retained  
in the dialyzer.

COPYRIGHT: (C)1999,JPO